

CLAIMS

What is claimed is:

1. A retrofit light fixture, comprising:
  - a low profile reflector having a first and a second side edge, said reflector being generally concave in shape;
  - a ballast;
  - a plurality of lamp holders connected electrically to said ballast;

wherein said retrofit fixture fits within a reflector chamber of an existing light fixture and is retained therein.
2. The retrofit light fixture of claim 1 further comprising a first and a second hangar tab on said first side edge of said housing.
3. The retrofit light fixture of claim 2 wherein said first and said second hangar tabs are at opposite distal ends of said first side edge.
4. The retrofit light fixture of claim 1 wherein said plurality of lamp holders are in staggered offsetting relationship.
5. The retrofit light fixture of claim 4 wherein said plurality of lamp holders are further comprised of four pairs of opposing lamp connectors.
6. The retrofit light fixture of claim 1 wherein said first and said second side edge are comprised of a first flange on said first side edge and a second flange on said second side edge.

7. The retrofit light fixture of claim 6 wherein said first and said second flange of said reflector on said first and said second side edge are compressed against a first and a second flange on said existing fluorescent light fixture.

8. A retrofit light fixture in combination with an existing recessed fluorescent strip fixture, comprising:

an existing fluorescent light fixture reflector defining a reflector chamber;

a low profile retrofit reflector fitting within said existing fixture reflector chamber;

wherein said retrofit reflector has a plurality of paired lamp holders electrically connected to a ballast.

9. The retrofit light fixture of claim 8 wherein said retrofit reflector is comprised of a concave reflector having a first and a second side edge.

10. The retrofit light fixture of claim 9 wherein said retrofit reflector has a first and a second tab on said first side edge, said first and said second tabs being at opposite distal ends of said first side edge.

11. The retrofit light fixture of claim 10 wherein said existing fixture reflector has a first and a second flange, said first side edge of said retrofit reflector adjacent to said first flange, and said second side edge of said retrofit reflector adjacent said second flange.

12. The retrofit light fixture of claim 8 wherein said existing fixture reflector has a first pre-defined length and wherein said

retrofit reflector has a second pre-defined length, said second pre-defined length being less than said first pre-defined length.

13. The retrofit light fixture of claim 8 wherein said plurality of paired lamp holders are in a parallel arrangement.

14. A retrofit fixture for installation into an existing recessed fluorescent strip fixture, said retrofit fixture comprising:

a reflector sized to fit within said existing fixture and within a grid opening in said ceiling, said reflector having a first longitudinal edge and a second longitudinal edge;

a first flange extending from said first longitudinal edge;

a hangar tab extending from each end of said first flange;

and

a second flange extending from said second longitudinal edge.

15. The retrofit fixture of claim 14 wherein said reflector is flexible about its longitudinal axis.

16. The retrofit fixture of claim 14, said reflector further having at least one lamp holder to support at least one lamp.

17. The retrofit fixture of claim 16 wherein said reflector has a plurality of lamp holders arranged to hold a plurality of lamps of length less than the length of said ceiling opening.

18. The retrofit fixture of claim 17 wherein said lamp holders hold said lamps in a staggered arrangement.

19. The retrofit fixture of claim 18 wherein said lamps are T-8 fluorescent lamps.

20. The retrofit fixture of claim 14 further having a ballast attached to the top side of said reflector.

21. A retrofit fixture for installation into an existing recessed fluorescent strip fixture in an inverted T-bar grid ceiling having an opening having a predetermined length, said retrofit fixture comprising:

a reflector having a length less than said predetermined length, said reflector having a first longitudinal edge and a second longitudinal edge;

a first flange extending from said first longitudinal edge;

a hangar tab extending from each edge of said first flange such that the length of said flange and said hangar tabs is greater than said predetermined length;

a second flange extending from said second longitudinal edge; and

a plurality of lamp holders attached to said reflector arranged to support at least one lamp.

22. The retrofit fixture of claim 21 wherein said plurality of lamp holders in a staggered arrangement to support at least two lamps having a combined length greater than said predetermined length.

23. The retrofit fixture of claim 21, said first flange and said second flange cooperating with said inverted T-bar grid ceiling to support said retrofit fixture within said existing fixture.

24. The retrofit fixture of claim 23 wherein said reflector is flexible about its longitudinal axis, whereby the width of said reflector with said first and second flanges may be reduced to an amount less than the width of said ceiling opening.

25. A method of retrofitting an existing fluorescent strip fixture in an inverted T-bar grid ceiling, comprising the steps of:

- a. removing the fluorescent lamps and the ballast cover from the existing fluorescent strip fixture;
- b. partially inserting a retrofit fixture diagonally through an opening in said grid ceiling and partially into said existing fixture, said retrofit fixture comprising:
  - a reflector sized to fit within an opening in said grid ceiling and within said existing fixture, said reflector having a first longitudinal edge and a second longitudinal edge, said reflector being flexible about its longitudinal axis;
  - a first flange extending from said first longitudinal edge;
  - a hangar tab extending from each end of said first flange;
  - a second flange extending from said second longitudinal edge; and
  - a ballast attached to said reflector;
- c. hanging said retrofit fixture from grid members of said ceiling by said hangar tabs;

- d. attaching power supply leads from said existing fixture to said ballast;
- e. swinging said retrofit fixture into place within said existing fixture by slightly flexing said reflector such that the width of the reflector combined with said first and second flanges may be reduced to an amount less than the width of said ceiling opening;
- f. allowing said reflector to return to its original width such that said retrofit fixture is supported by said ceiling grid members along said first and second flanges.

26. The retrofitting method of claim 25 wherein said retrofit fixture further has at least one pre-installed lamp.